Warranty Registration System

Help us to serve you better by registering your product for Warranty

Web	Register at www.onida.com
Telephone	Call Centre No. 0XX-39889000(0XX-STD Code of State Capital)
Post / Visit	Post the Warranty Registration Card & Service Centre Copy or Visit the Nearest Service Centre.

As per Government of India's E-Waste (Management and Handling) Rules, 2011(effective from May 1st, 2012) the product purchased by you is to be considered as E-Waste and cannot be disposed off with your general household waste. It should be disposed of through the company's collection center so as to prevent any damage to environment

Collection Center address
Mirc Electronics Ltd.Village Kudus,Bhiwandi Wada road,
Taluka Wada., Dist. Thane - 421312,Tel no. 952525 220375/377
Visit at : www.onida.com for details about collection Centers.

We request you to make a note of the above details and support us in our endeavour to ensure an environmental friendly nation.

ONIDA

MIRC Electronics Ltd.,
Onida House, G-1, MIDC, Mahakali Caves Road, Andheri (East), Mumbai – 400 093

USER MANUAL

Model: INV18SLH8

ONIDA

AIR CONDITIONERS

The unit displayed is for representational purposes only. Actual unit may vary.

The Onida Ethos

Putting customers at the center of our existence.

ONIDA

IMPORTANT :

- Please read this owner's manual carefully and thoroughly before installing and operating your room air conditioners.
- Please retain this owner's manual for future reference after reading it thoroughly.

Dear customer

Congratulation on buying ONIDA Air Conditioner.

Your Air Conditioner comes with ONIDA Guarantee of Quality as detailed in the manual.

ONIDA takes great pride in providing its customers with state-of-the-art products that adheres to international quality standards.

ONIDA is committed to following quality policy laid by our chairman and managing director Mr. G. L. Mirchandani.

"We are committed to quality and strive for continuous improvement through innovation and human development to give customer better value for money always"

ONIDA stands committed to provide the ultimate customer satisfaction, as nothing brings us greater joy than having satisfied customers of ONIDA.

At ONIDA, feedback and suggestions based on your product usage experience is greatly appreciated.

Please contact to us at esponse@onida.com

G. Sundar
Chief Executive Officer

ONIDA

The Onida Ethos

Understanding customer lives, dreams and aspirations better than anyone else.

ONIDA

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ONIDA

The Onida Ethos

Delivering products that enrich customer lifestyle reliably, stylishly and thoughtfully.

ONIDA

SALIENT FEATURES

Model Code :**INV18SLH8**

- **Aesthetics:-**
  a) Unique Super Slim Model with High EER
  b) Sleek Indoor Unit

- **Performance:-**
  a) Imported High BTU Tropicalised Compressor
  b) Trapezoidal Inner Grooved Tube
  c) Large L - Shaped Condenser Coil
  d) High RPM Fan Motor with High Static

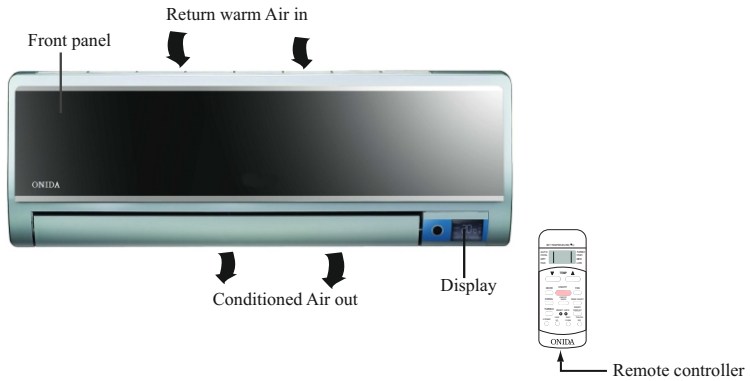
- **Features:-**
  a) APM(Auto Panel Movement) Technology
  b) Clean Air
  c) Multi-Step Air Swing for Customized Cooling
  d) Surround Air
  e) Turbo

- **Safety & Reliability:-**
  a) Hydrophilic Fins
  b) Full Function LCD Remote
  c) Special Insulation on the Air Vent
  d) 5-Stage Epoxy Polyester Painting

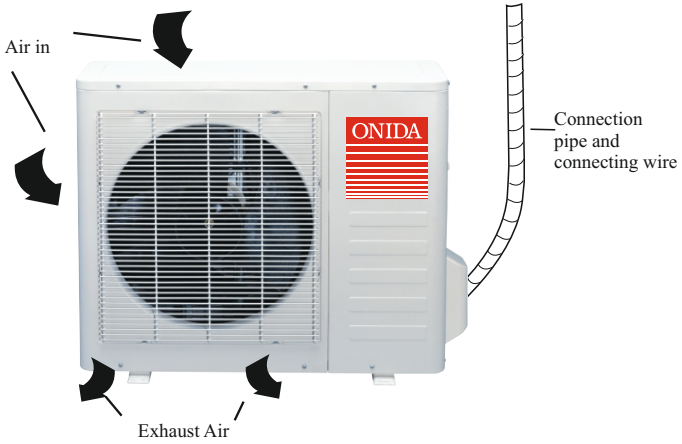
ONIDA

INSIDE OVERVIEW

■ INDOOR UNIT



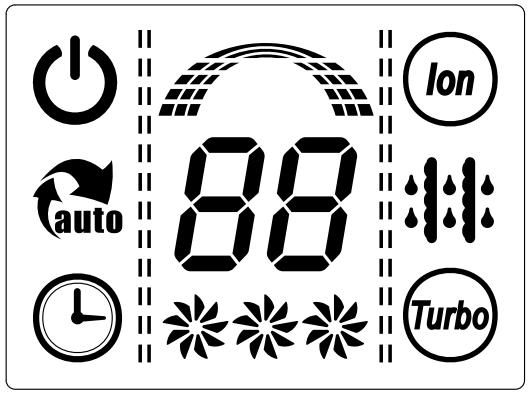
■ OUTDOOR UNIT



INDOOR UNIT DISPLAY

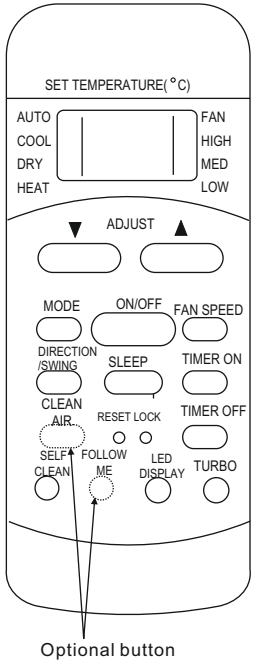
Display on the indoor unit.

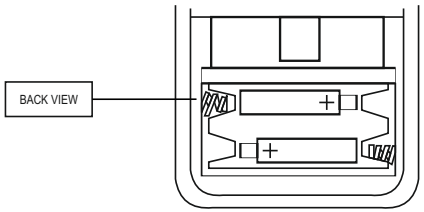
For the icon of LED windows, only relevant icons will light up with their displays on.



⏻	Operation	OPERATION indication lamp This lamp illuminates when the air conditioner is in operation.
	Compressor Current Frequency	This display is separated into five zones. The zones illuminate based on the compressor current frequency. For example, higher frequency will illuminate more zones.
auto	Auto Mode	AUTO indication lamp Lights up during the Auto operation.
Ion	Clean Air	CLEAN AIR indication lamp Lights up when CLEAN AIR feature is activated.
88	Temp	DIGITAL DISPLAY indication lamp Displays the current setting temperature. When the air conditioner is in FAN ONLY operation, itdisplays the actual room temperature. When SELF CLEAN feature is activated, it displays SC .
	Ser timer	TIMER indication lamp Lights up during Timer operation.
	Fan speed L/M/L	FAN SPEED indication lampDisplays the selected fan speed: three fan speed levels: LOW(✲), MED(✲✲) and HIGH(✲✲✲).
Turbo	Turbo cool	TURBO indication lampLights up when select TURBO function on cooling operation or on heating operation.
	Defrost	DEFROST indication lamp(For reverse cycle model only): Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating

REMOTE OVERVIEW





1. Open back cover and put 2 Nos. AAA size alkaline batteries.
2. Short one RESET piece after changing the batteries.
3. The remote signal can be reached upto six metres from the indoor unit.
4. When the button is pressed on remote, indoor unit will “beep” once, indicating the receipt of signal. If no “beep” sound is heard, press the button once again.
5. Remove batteries if remote control has not been used for long time..

OPERATIONS

1)TEMP Button : Push this button to decrease the indoor temperature setting in 1oC increments to 17oC.

2)TEMP Button : Push this button to increase the indoor temperature setting in 1oC increments to 30oC.

3)MODE Button: Each time the button is pressed, the operation mode is selected in the sequence of the following:

AUTO → DRY → HEAT → FAN

4)DIRECTION/SWING Button: Press this button once and quickly to change the air flow direction of the horizontal louver a little. The moving angle of the louver is 6o for each press. Press the button without releasing for 2 more seconds, the horizontal louver would swing automatically. Press it again, it would stop moving. When the louver swing/movindg at a certain position which would affect the cooling and heating effect of the air conditioner, it would automatically change the swing direction (upward or downward).

5)CLEAN AIR Button(on some models): When push this button, the Ionizer/Plasma Dust Collector(depending on models) is ener-gized and will help to remove pollen and impurities from the air.

6)SELF CLEAN(AUTO CLEAN)Button: Press this button under COOL or DRY mode, the self clean function is activated. Press it again will stop the operation and turn off the unit.

7) FOLLOW ME Button(on some models): Push this button to initiate the Follow Me feature, the remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the Follow Me button again. The air conditioner will beep to indicate the Follow Me feature has ended if it does not received the signal during any 7 minute interval.

8) RESET Button: Once the recessed RESET button is pressed, all of the current settings will be cancelled and the controller will return to the initial settings

8) RESET Button: Once the recessed RESET button is pressed, all of the current settings will be cancelled and the controller will return to the initial settings.

9) ON/OFF Button: Press this button to start the indoor unit. Press again to stop the unit..

REMOTE OVERVIEW

10) FAN SPEED Button: Press the button to select the Fan speed in the sequence: AUTO, LOW, MED and HIGH. Each time the button is pressed, the fan speed selection is shifted.

11) TIMER ON Button: Press this button to activate the Auto-on time setting. Each press will Increase the time setting in 30 minutes increments if the setting time is lower than 10 hours. When the setting time reaches 10h, each press will increase the time setting 1 hour in increments. To cancel the Auto-on time setting, just press the button until the time setting is 0.0.

12) SLEEP Button: Press this button to activate the Energy-Saving mode. Press again to stop the function. This function is available on COOL, HEAT or AUTO mode only and maintains the most comfortable temperature for you

NOTE: While the unit is running under SLEEP mode, it would be cancelled if ON/OFF, FAN SPEED, SLEEP or MODE button is pressed

13) TIMER OFF Button: Press this button to activate the Auto-off time setting. Each press will increase t he time setting in 30 minutes increments if the setting time is lower than 10 hours. When the setting time reaches 10h, each press will increase the time setting 1 hour in increments. To cancel the Auto-off time setting, just press the button until the time setting is 0.0.

14) LOCK Button: Press this recessed button to lock all current settings, and the remote controller will not accept any operation except that of the LOCK. Use the LOCK mode whenyou want to prevent settings from being changed accidentally. Press the LOCK button again to cancel the LOCK function. A lock symbol will appear on the remote controller display when the lock function is activated.

15) TURBO Button: Push this button to activate the Turbo function which enables the unit to reach the preset temperature in the shortest time. When press this button on cooling mode, the unit will blow strong cooling air with super high fan speed. When press this button on heating mode(applicable to the unit adopts PTC only), the PTC will be energized and bring fast heating operation.

Note: The unit system will automatically revert back to the previous settings after continue operating under powerful cooling mode for about half an hour.

16) LED DISPLAY Button: Press this button to clear the display on the indoor unit, press it again to light the display

Note

Buttons design might be slightly different from the actual one you purchased depending on individual models. All the functions described are accomplished by the indoor unit. If the indoor unit has no this feature, there is no corresponding operation happened when press the relative button on the remote controller

OPERATIONS

Special function

CLEAN AIR function(on some models)

Improving the quality of indoor air is one of the mission of an air conditioner. This air conditioner is equipped with ionizer or Plasma Dust Collector(Depending on specific configuration of the model). With the anions generated by Ionizer, the air circulation of the air conditioner fills the room with refreshing, natural and healthy air. The Plasma Dust Collector generates an high voltage ionization zone, through which the air is converted to plasma. Inside the air most of the dust, smoke, and pollen particles are captured by the electrostatic filter.

SELF CLEAN function

Function used after the Shut Down of cooling operation to clean the Evaporator and keep it as fresh for the next operation.

The unit will operate as following sequence :

FAN ONLY mode at Low fan speed--Heating operation with LOW fan speed (applicable to cooling& heating modles only) ---FAN ONLY operation--Stop Operation---Turn off. This function is only available under COOL(AUTO COOL, FORCED COOL) and DRY mode.

Before select the function, it is recommended to run the air conditioner under Cooling operation for about half an hour. Once the Self Clean function is activated, all TIMER setting will be cancelled.

During Self Clean operation, when press the SELF CLEAN button on the remote controller again will stop the operation and turn off the unit automatically.

Follow Me function

The remote control serves as a remote thermostat allowing for the precise temperature control at its location. To activate the Follow Me feature,point the remote control towards the unit and press the Follow Me button. The remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the Follow Me button again. If the unit does not receive the Follow Me signal during any 7 minute interval , the Follow Me mode will be cancelled automatically.

Anti-mildew function(on some models)
When turns off the unit on COOL, DRY, AUTO (Cool) mode, the air conditioner will continue operating for about 10 minutes(depending on models) at LOW fan speed. This will help to dry up the condensed water inside the evaporator, and prevent the breeding of mildew. Under Anti-mildew operation, do not restart the air conditioner until the unit is completely off.

Operating temperature

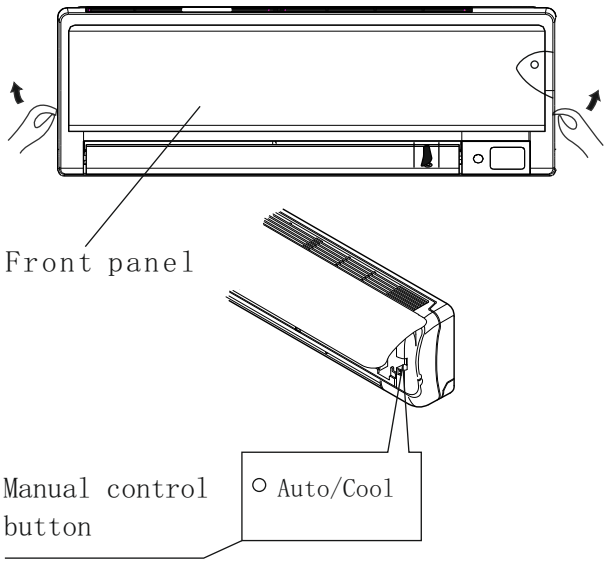
Mode / Temperature	Cooling operation	Heating operation	Drying operation
Room temperature	≥17°C	≤30°C	>10°C
Outdoor temperature	0°C~50°C	-15°C~30°C	0°C~50°C
	(-15°C~50°C For the models with low temperature cooling system)		

CAUTION:
1. If air conditioner is used outside of the above conditions, certain safety protection features may come into operation and cause the unit to function abnormally.

2. Room relative humidity less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please sets the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.

3. Optimum performance will be achieved within these operating temperature. Suggestion: For the unit adopts an Electric Heater, when the outside ambient temperature is below 0°C, we strongly recommend you to keep the machine plugged in order to guarantee it running smoothly.

Manual operation
Manual operation can be used temporarily in case the remote controller is disable or maintenance necessary.



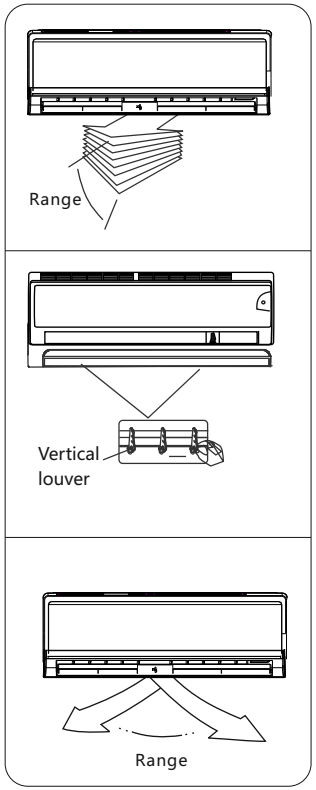
NOTE: The unit must be turned off before operating the manual control button. If the unit is operational, continue pressing the manual control button until the unit is off.

1) Grasp both sides of the panel and pull it down, the panel opened upward to an angle of 15O . Push the panel upward and then lift it up.
2) One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation.
3) Close the panel firmly to its original position.

CAUTION:
This button is used for testing purposes only. You had better not choose it. To restore the remote controller operation, use the remote controller directly.

OPERATIONS

Airflow direction control

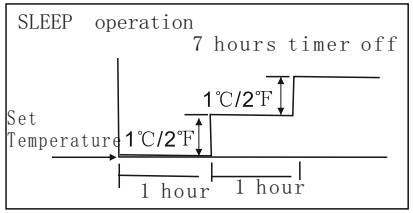


- Adjust the air flow direction properly otherwise, it might cause discomfort or cause uneven room temperatures.
- Adjust the horizontal louver using the remote controller.
- Adjust the vertical louver manually.
- To set the vertical air flow (Up--Down) direction
  Perform this function while the unit is in operation.
  Use the remote controller to adjust the air flow direction. The horizontal louver can be moved at a range of 6O for each press, or swing up and down automatically. Please refer to the remote controller operation manual for details.
  To set the horizontal air flow direction (left - right)
  Move the vertical louver manually to adjust the air flow in the direction you prefer.
- IMPORTANT: Before adjusting the vertical louvers, the supply power must be disconnected. For some models, the vertical louver can be adjusted by using the remote controller. Please refer to the Remote controller operation manual for details.

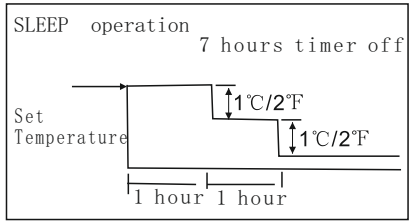
CAUTION

Do not operate the air conditioner for long periods with the air flow direction set downward in cooling or dehumidifying mode. Otherwise, condensation may occur on the surface of the horizontal louver causing moisture to drop on to the floor or on furnishings. Do not move the horizontal louver manually unless it is necessary. Always use the remote controller. When the air conditioner is started immediately after it was stopped, the horizontal louver might not move for approximately 10 seconds. Open angle of the horizontal louver should not be set too small, as COOLING or HEATING performance may be impaired due to too restricted air flow area. Do not operate unit with horizontal louver in closed position. When the air conditioner is connected to power (initial power), the horizontal louver may generate a sound for 10 seconds, this is a normal operation.

OPERATING INSTRUCTIONS



Cooling



Heating

How the air conditioner works

AUTO operation

When you set the air conditioner in AUTO mode, it will automatically select cooling, heating(cooling/heating models only), or fan only operation depending on what temperature you have selected and the room temperature. The air conditioner will control room temperature automatically round the temperature point set by you. If the AUTO mode is uncomfortable, you can select desired conditions manually.

SLEEP operation

When you push SLEEP button on remote controller during cooling, heating(cooling & heating models only), or AUTO operation , the air conditioner will automatically increase (cooling) or decrease (heating) per hour for the first 2 hours, then hold steady for the next 5 hours, after that it will switch off. This characteristic maintains both enery saving and comfort in night operation.

DRYING operation

The fan speed will be automatically controlled under dry operation. During the dry operation, if the room temperature is lower than 10°C, the compressor stops operation and restarts until the room temperature is above 12°C.

Optimal operation

To achieve optimal performance, please note the following: Adjust the air flow direction correctly so that it is not directed on people. Adjust the temperature to achieve the highest comfort level. Do not adjust the unit to excessive temperature levels. Close doors and windows on COOL or HEAT modes, or performance may be reduced. Use TIMER ON button on the remote controller to select a time you want to start your air conditioner. Do not put any object near air inlet or air outlet, as the efficiency of the air conditioner may be reduced and the air conditioner may stop running. Clean the air filter periodically, otherwise cooling or heating performance may be reduced. Do not operate unit with horizontal louver in closed position.

The following events may occur during normal operation.

1. Protection of the air conditioner.

Compressor protection

The compressor can't restart for 3 minutes after it stops.

Anti-cold air (Cooling and heating models only)The unit is designed not to blow cold air on HEAT mode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.

A) When heating has just starting.

B) Defrosting.

C) Low temperature heating.

The indoor or outdoor fan stop running when defrosting (Cooling and heating models only). Defrosting (Cooling and heating models only)

Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high resulting in lower heating efficiency of the air conditioner.

During this condition air conditioner will stop heating operation and start defrosting automatically.

The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost build up on the outdoor unit.

2. A white mist coming out from the indoor unit

A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.

A white mist may generate due to moisture generated from defrosting process when the air conditioner restarts in HEAT mode operation after defrosting.

3. Low noise of the air conditioner

You may hear a low hissing sound when the compressor is running or has just stopped running.

This sound is the sound of the refrigerant flowing or coming to a stop.

You can also hear a low "squeak" sound when the compressor is running or has just stopped

running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.

A noise may be heard due to louver restoring to its original position when power is first turned on.

4. Dust is blown out from the indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5. A peculiar smell comes out from the indoor unit.

This is caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

6. The air conditioner turns to FAN only mode from COOL or HEAT (For cooling and heating models only) mode.

When indoor temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode. The compressor will start again when the indoor temperature rises on COOL mode or falls on HEAT mode (For cooling and heating models only) to the set point.

7. Dripping water may generate on the surface of the indoor unit when cooling in a high relatively humidity (relative humidity higher than 80%).

Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.

8. Heating mode (For cooling and heating models only)

The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperature. If a comfortable temperature can't be achieved by the air conditioner, we suggest you use a supplementary heating device.

OPERATION TIPS

9. Auto-restart function

Power failure during operation will stop the unit completely.

For the unit without Auto-restart feature, when the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote controller. For the unit with Auto-restart feature, when the power restores, the unit restarts automatically with all the previous settings preserved by the memory function. For some models, the machine is special designed with Auto-restart function for the open angle of the horizontal louver. Power failure during operation or pressing the ON/OFF button on the remote controller will stop the unit completely. When the power restores or pressing the ON/OFF button on the remote controller again, the unit restarts automatically with all the previous settings including the open angle of the horizontal louver by the memory function. So we strongly suggest that the open angle of the horizontal louver should not be set too small, in case the condensed water forms and drops from the horizontal louver. Press the AUTO/COOL button under the front panel and the open angle of the horizontal louver will be restored to the standard angle when the condensed water forms on the horizontal louver.

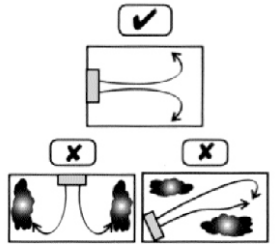
10. Lightning or a car wireless telephone operating nearby may cause the unit to malfunction. Disconnect the unit with power and then re-connect the unit with power again. Push the ON/OFF button on the remote controller to restart operation.

GENERAL INSTRUCTIONS FOR INSTALLATION

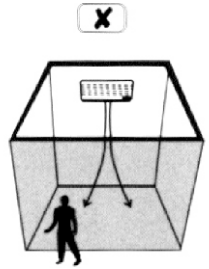
Locating the indoor and outdoor units properly will help optimise the performance of your airconditioner. While your Onida / Dealer's Technician will be happy to guide you on the best location for your airconditioner, here are a few helpful hints.

Locating the Indoor Unit

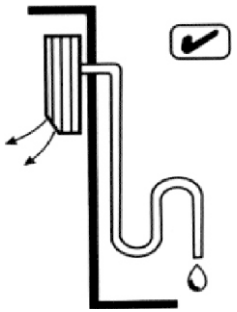
- Locate the IDU for the best cool air circulation. Preferably, there should be no obstructions nearby, as shown in the adjacent figure.



- Do not locate the unit directly opposite a door which is opened frequently. The cold air will go out of the room each time the door is opened, as shown in the adjacent figure.



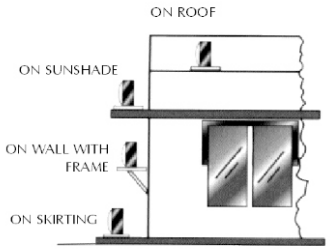
- All indoor units will form condensate water. Please ensure that the condensate can be drained out of the room to a toilet / pantry, etc. The installation engineer will make sure that a "U" bend is provided in the drain to prevent insects from coming into the room through the drain tube, as shown in the adjacent figure.



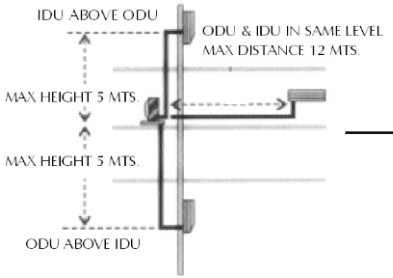
Locating the Outdoor Unit

The outdoor unit houses the compressor, condenser fan and electrical components. The heat removed from the room is expelled to the atmosphere through the outdoor unit.

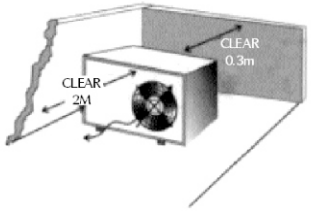
Once again, the Onida / dealer's Technician will ensure optimal installation of the ODU for you. However, the following information will be of interest to you.



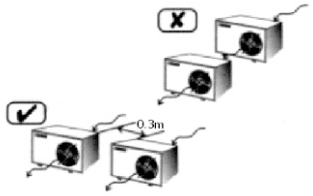
- The Outdoor Unit can be mounted on a wall, sunshade or skirting.



- Ideally, the ODU should not be too far away from the IDU; the recommended distances are marked in the adjacent figure.



- Ensure that air can pass freely through the unit. Please allow at least 2 meters free space on the air outlet side, and 0.3 meters on the air inlet side.



- If more than one ODU is to be installed, they must be properly separated, so that the warm air from the outlet of one does not enter the inlet of the other.

- Avoid long and complicated routing between the IDU and ODU, as shown in the three adjacent figures.

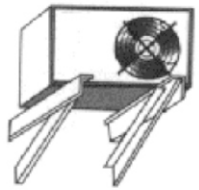
- Too long

- Too high

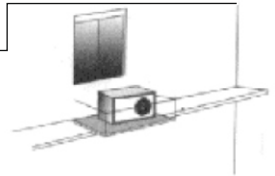
- Too many bends

- The ODU must be placed on strong frame or support. If mounted on a wall, please ensure that the wall is thick enough and that the frame is supported adequately.

- Finally, it is most important for the ODU to be easily accessible to the service engineer. It is advisable to discuss the same with the engineer before deciding upon the location of the unit.

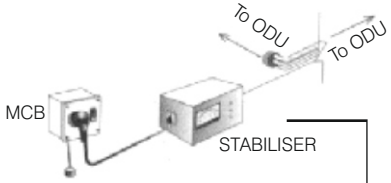


If the ODU is to be located on a high ledge, adequate space must be provided for the service engineer to service the unit. It is a good idea to provide a catwalk (a platform) around the unit and access door / window to the Unit.



Electrical outlet

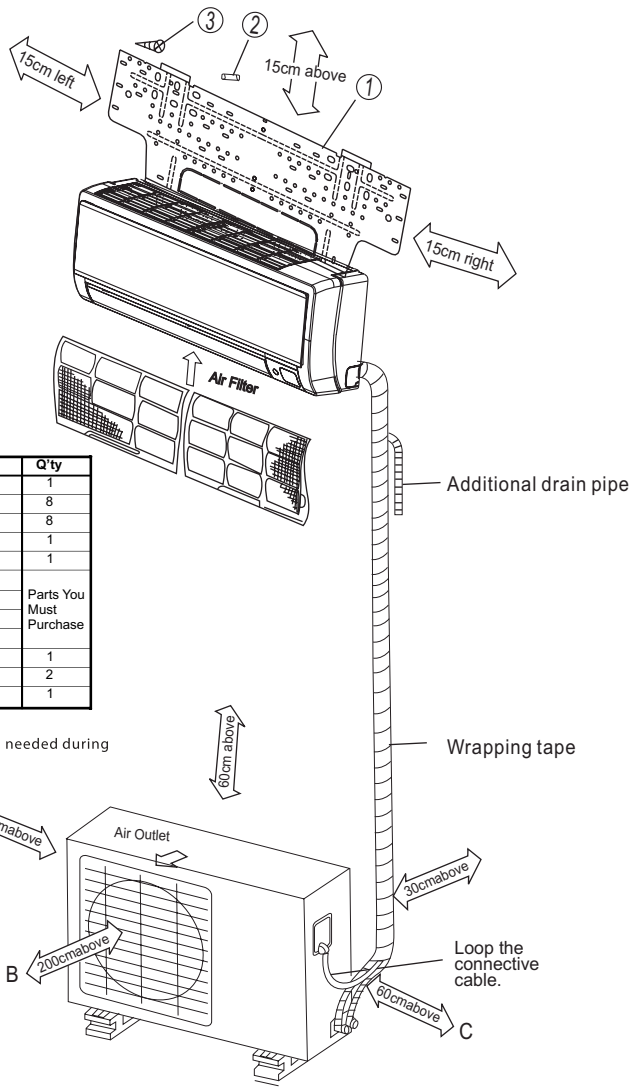
After the location of the outdoor unit and indoor unit is finalised, you must provide a suitable electrical outlet near the indoor unit.



INSTALLATION SKETCH

CAUTION

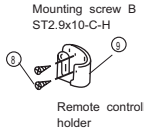
- Ensure that the space around the left and right of the indoor unit is more than 12cm. The indoor unit should be installed allowing a minimum clearance of 15cm from the ceiling.
- Use a stud finder to locate studs to prevent unnecessary damage to the wall.
- A minimum pipe run of 3 metres is required to minimise vibration & excessive noise.
- The indoor unit should be installed on the wall at a height of 1.7 metres or more from the floor but less than 2.3 from he floor.
- Directions A, B and C should be free from obstructions.



Items packed with the unit

Number	Name of Accessories		Q'ty
1	Installation Plate		1
2	Clip Anchor		8
3	Self-tapping Screw A ST3.9X25		8
4	Seal		1
5	Drain Joint		1
6	Connecting Pipe Assembly	Liquid Side Φ 6.35(12000Btu/h)	Parts You Must Purchase
		Gas Side Φ 12.7(12000Btu/h)	
		Liquid Side Φ 9.53(18000Btu/h)	
		Gas Side Φ 16.0(18000Btu/h)	
7	Remote Controller		1
8	Self-tapping Screw B ST3.9X10		2
9	Remote Controller Holder		1

Note: Except the above parts provided, the other parts needed during installation you must purchase.



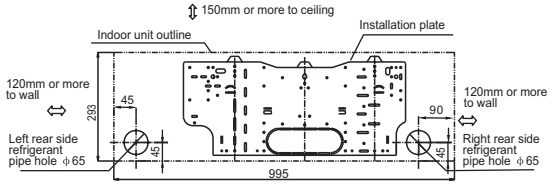
INSTALLATION

■ INDOOR UNIT

1. Fitment of mounting plate

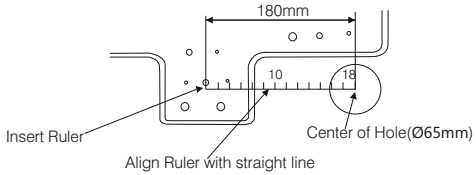
   The mounting plate should be fitted on the structural part of wall on which indoor unit is to be installed.

2. Drill two holes at a distance of 450 mm between them for the expansion bolts.



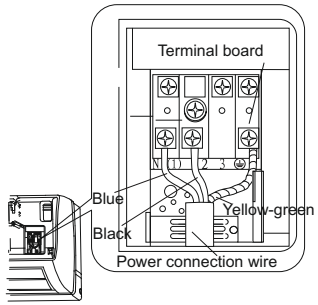
■ Drill on the wall

Confirm the position of holes and drill holes of diameter 65 mm on the wall



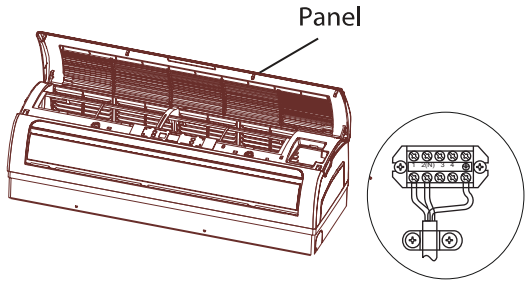
■ Connecting of cables

1. Open the front panel
2. Dismantle the electric box cover and fastener
3. Connect the cable
4. Reassemble the fastener and electric box cover.

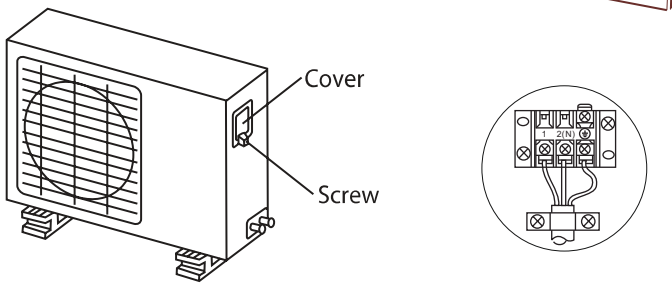


■ **Installation of indoor unit**

After putting the pipe assembly through the wall, attach the indoor unit to the mounting plate on the wall as shown in the figure.



■ **Installation of outdoor unit**



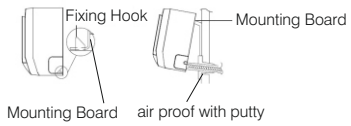
- The connecting cables must be clipped together.
- Special cable to be used to connect indoor unit and outdoor unit.
- The electric box cover must be mounted on its position on outdoor unit.

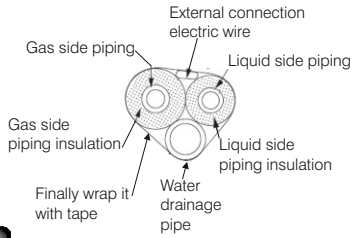
■ Connecting of pipes

Pipe	Diameter of pipe	Torque (N • m)
Liquid pipe	6.35 mm (1.0T)	13.7--17.6
Gas pipe	12.7 mm (1.0T)	49.0--56.4
Liquid pipe	9.52 mm (1.5T)	13.7--17.6
Gas pipe	16 mm (1.5T)	49.0--56.4

■ Sealing the wall hole and clamping the pipe

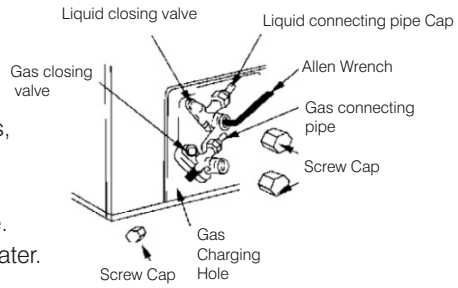
- Use putty to seal the wall hole.
- Use pipe fastener to clamp the pipe on wall





■ Discharge the air of the units:

It can used as vaccum pump.
Remove screw cap of closing valve and gas charging hole; Open the closing valve with Allen wrench(turn 90 clockwise), then push the gas hole for about 10 seconds, (When a gas like fog appears, it indicates that the air of unit has been discharged) put back the screw cap of gas charging hole. Do the leak test with leak detector or soap water.

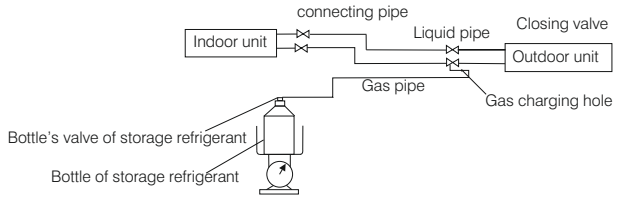


■ Add refrigerant

- If the connecting pipe is longer than 7 meters, add refrigerant as needed. Add amount A= (Lm-7m) 15g/m.
  (A: add refrigerant amount, L: the length of connecting pipe)

the length of connecting pipe (m)	7	8	9	10
add amount (g)	0	15	30	45

- Add refrigerant with the spring balance, as specified above.



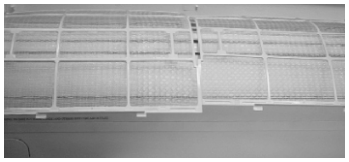
■ Test

- Proceed leak test (with leak detector or soap water.) and inspect connecting cables before test operation.
  Test procedure: (Control by emergency operation switch or remote controller) For detailed operation, see OPERATION OF AIR CONDITIONER in the manual.

TAKE CARE OF YOUR AIR CONDITIONER

Most of the maintenance work on your air conditioner, during warranty and subsequently under the maintenance contract, will be handled by a trained technician. However, there are some simple maintenance jobs that you, as a user, should carry out on your own.

- Lift the cover by applying gentle pressure on both sides and lift it upwards
- The filters will be visible
- Lift the filters slightly upwards



- Pull out the filters

- Wash the filters under a tap until they are clean

- Do not use detergents for cleaning the filter.

PRECAUTIONS TO BE TAKEN

Do's (√)

- Seal all air gaps in the room
- Choose the right temperature to avoid over cooling
- Ventilate the room regularly.
- Switch off the power supply if not in use for long.
- Unplug the unit while cleaning.

Don't's (X)

- Don't leave the doors and windows open when the air conditioner is on.
- Don't use hot water to clean your front grill
- Don't use scouring powder, harsh soaps, wax or polish on the grill.
- Don't switch on the air conditioner immediately after switching it off. Wait for 2 minutes.
- Don't operate with a clogged filter
- Don't block air intake & outlet vents
- Don't change setting unnecessarily.

TROUBLE SHOOTING CHART

Troubleshooting Tips

If one of the following faults occurs, stop the air conditioner immediately, disconnect the power and then connect it in again. If the problem still exists, disconnect the power and contact the nearest customer service center.	
Trouble	OPERATION/RUN indicator or other indicators continue flashing.
	Fuse blows frequently or circuit breaker trips frequently.
	Other objects or water fall into the air conditioner.
	The remote controller won't work or works abnormally.
	If one of the following code appears on the display area : E0,E1,E2,E3.....or P0,P1,P2,P3.....

Malfunctions	Cause	What should be done?
Unit does not start	Power cut	Wait for power to be restored.
	Unit may have become unplugged.	Check that plug is securely in wall receptacle.
	Fuse may have blown.	Replace the fuse.
	Battery in Remote controller may have been exhausted.	Replace the battery.
	The time you have set with timer is incorrect.	Wait or cancel timer setting.
Unit not cooling or heating (Cooling/ heating models only) room very well while air flowing out from the air conditioner	Inappropriate temperature setting.	Set temperature correctly. For detailed method please refer to "Using remote control" section.
	Air filter is blocked.	Clean the air filter.
	Doors or Windows are open.	Close the doors or windows.
	Air inlet or outlet of indoor or outdoor unit has been blocked.	Clear obstructions away first, then restart the unit.
	Compressor 3 minutes protection has been activated.	Wait.
If the trouble has not been corrected, please contact a local dealer or the nearest customer service center. Be sure to inform them of the detailed malfunctions and unit model.		

Notes: Do not attempt to repair the unit yourself.
Always consult an authorised service provider.

INSTALLATION & SATISFACTION REPORT

Customer Name :_____

Address _____

_____

Phone[O]_____ [R] _____

Unit Model	Unit Serial Number	Dealer Name

Invoice Number	Date of Purchase	Date of Installation

MCB Rating		Current (Amps.)	
Cable Size		Ambient Temp. (^{o}C)	
Earthing		Room Temp. (^{o}C)	
Stabiliser		Grill Temp. (^{o}C)	
Input Voltage		Remote Operation	

Customer's Response : To be filled up by the Customer

1. Installation completed within:
   12hrs( ), 24 hrs( ) , 36 hrs ( ), more than 36 hrs ( )
2. How did you find the behavior of the Engineer :
   Excellent (☺), Good (😐), Not satisfied (☹)
3. Overall rating of the service:
   Excellent (☺), Good (😐), Not satisfied (☹)
4. Suggestion if any:

Job Number	Engineer's Signature	Customer's Signature

WARRANTY TERMS AND CONDITIONS

M/S. MIRC ELECTRONICS LTD, WARRANTS THIS ONIDA AIR CONDITIONER[(except the front grill, knobs, remote unit and add-on plastic parts) TO THE ORIGINAL PURCHASER TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP WITHIN ONE YEAR FROM THE DATE OF PURCHASE AS PROVIDED IN THE WARRANTY REGISTRATION CARD.

WARRANTY FOR COMPRESSOR:

MIRC ELECTRONICS LTD, HEREAFTER WARRANTS TO THE PURCHASER OF THIS ONIDA AIR CONDITIONER THAT FOR A PERIOD OF 12 MONTHS FROM THE DATE OF INVOICE .

WE WILL REPAIR/REPLACE THE COMPRESSOR WHICH PROVES UPON INSPECTION BY US OR ANY OF OUR AUTHORISED SALES DEALERS TO HAVE BEEN DEFECTIVE DUE TO MANUFACTURING DEFECT.

This warranty is subject to terms and conditions as mentioned below:

1. This warranty shall be valid only for the said period of 12 months as specified above, irrespective of whether the said unit has been in use or not for any reason whatsoever, or the unit is moved from one location to another. Warranty does not cover accessories external to the equipment.
2. The warranty period specified above shall include time taken for repairs, replacements, break-downs, transit time etc. No notice of expiry period of warranty will be given by the company.
3. This warranty shall stand automatically terminated in the event of the said unit being serviced, repaired, installed, de-installed, re-installed or otherwise attended to by any person or organization or agency or by the said purchaser himself other than the authorized representative of the company.
4. Parts of the unit replaced or repaired under the terms of this warranty are warranted only for the remaining period of the original warranty period.
5. For attending any service call under this warranty beyond the municipal limits of the locality in which the authorized representative/dealer is situated (outstation locations), all to and fro travelling and other incidental expenses as prevailing from time to time incurred in connection with the visit of the service personnel, technicians, etc shall be borne by the said purchaser and shall be payable in advance. Additionally, all expenses incurred by the authorized representative /dealer in collecting the said unit or any part thereof from such outstation locations and its return to the original location shall be borne by the said purchaser.
6. Any loss of refrigerant caused due to sabotage, improper handling or treatment , carelessness, accident, fire, flood earthquake or any natural calamity any corrosive action on the original refrigerant pipes, fittings, valves etc for whatever reasons, shall not be covered under this warranty.
7. In the event of any change in the location of the unit during the warranty period, this warranty shall become null and void unless the fact of the proposed change is communicated in writing to the authorized dealer at least seven (7) days prior to the said change. On receipt of such information the authorized dealer or any of its counterparts shall arrange for de-installation of the said unit on chargeable basis. However, in the event of any damage occuring to the unit or to any of its parts during the course of its transit by the said purchaser, repair or replacement, the said unit or any part thereof damaged shall not be covered by this warranty.

8. It shall be the absolute discretion of the company to a) effect the repairs or replacement of parts whether at the site of installation or at any service centre, and b) have the job attended to either by the Company's service personnel or its authorised dealer
9. This warranty is in the nature of and for the purpose of set forth herein above and in particular the Company shall not in any event be liable for direct, indirect, incidental or consequential loss or damages to either the said purchaser and /or his property or any other third party.
10. The AC is designed to operate at a range (230V +/- 10%). Any failure due to operation of the machine beyond these limits will not be covered by the above warranty.

    Customer shall ensure that a stabilizer is installed in those areas where voltage is not available within the warranty range (230V +/- 10%). The stabilizer should be of any reputed manufacturer, tested and recommended by the Company.
11. The purchaser should preserve the original invoice for necessary verification and produce, as and when required.
12. Warranty null and void if:
    i. The Air Conditioner is not purchased from the authorized dealers of the company.
    ii. The Service Centre copy of warranty card is not received within 10days of date of purchase at the nearest Authorised Service Centre.
    iii. Any damage is caused by accident, mishandling, tampering with installation, or negligence in following instructions of the user manual issued by Company.
    iv. Any damage is caused by improper electrical circuit outside the unit or by any defective electrical supply
    v. At any time, during the warranty period if any part of the unit is tampered with, altered, repaired or serviced by any unauthorized person, not being the authorized representative of the company or its authorized dealers
    vi. The serail number of the unit or any part thereof is damaged , defaced, altered, obliterated , or tampered with or removal for any reason whatsoever
    viii. The unit is unauthorisedly moved from its original place of installation or re-installation
13. None of the employees and /or Authorized Dealers of the Company have any authority whatsoever to vary the terms and conditions of this warranty.
14. This warranty shall be deemed to have been issued at Mumbai, state of Maharashtra and courts at Mumbai shall have exclusive jurisdiction on matters covered by or following from this warranty, and the original purchaser alone shall have cause of action arising out of the transaction.

Preventive Maintenance Service

ONIDA

Customer Identification Number: _____

Unit Model: _____

Sr. No: _____

Name of Serviceman: _____

Date: _____ Time: _____

Sign. of Serviceman

Preventive Maintenance Service 1 Date: _____

Customer Identification Number: _____

Name of the customer: _____

Installation address: _____

_____

_____

Phone: _____ Mobile: _____ Fax: _____

E-mail: _____

Unit model: _____ Serial Number: _____

Service report number: _____

Customer's Signature: _____ Name: _____

Preventive Maintenance Service

ONIDA

Customer Identification Number: _____

Unit Model: _____

Sr. No: _____

Name of Serviceman: _____

Date: _____ Time: _____

Sign. of Serviceman

Preventive Maintenance Service 2 Date: _____

Customer Identification Number: _____

Name of the customer: _____

Installation address: _____

_____

_____

Phone: _____ Mobile: _____ Fax: _____

E-mail: _____

Unit model: _____ Serial Number: _____

Service report number: _____

Customer's Signature: _____ Name: _____

MIRC Electronics Limited

Serial No.

Warranty Card

ONIDA

Customer Copy

Customer Details

Title: Mr ☐ Ms ☐ Mrs ☐ M/s ☐

Name:

Residence Address:

Dist: Pin:

State: Occupation:

Tel:(____) Code Res:(____) Code Fax:

Mobile No: Email:

Product Details

Please Tick The Appropriate Product Colour TV ☐ B&W TV ☐ DVD ☐ Washing M/C. ☐ AC ☐ Plasma TV ☐ Rear Projection TV ☐ Microwave Oven ☐ LCD TV ☐

Model No:

Serial No

Please Refer Sticker On Back Cover Of Your Product

Purchase Date Day Month Year

Bill No.

Dealer's Name & Address

Signature

I Accept The Terms And Conditions of The Warranty

Customer Signature

Thank you for selecting a World Class product and we assure you that it will perform as per your expectations

We thank you for taking your time to complete this form. All Information Provided by You will be Kept Confidential.

(Please Fill In, Tear off, Fold and Mail this form to Reach us within 10 days of the Product Purchase.)

We welcome your Valuable Suggestions, if any, to Improve our Products and Services :

FOR OFFICE USE ONLY

Customer Code:

Branch:

Mirc Electronics Ltd.

Note: Company Will Not Be Responsible For The Loss Of This Form During Transit.

For Other Details on Our Products & Services Log On To www.onida.com

MIRC Electronics Limited

Warranty Card

ONIDA

Serial No.

Service Centre Copy

Customer Details

Title: Mr ☐ Ms ☐ Mrs ☐ M/s ☐

Name:

Residence Address:

Dist: Pin:

State: Occupation:

Tel:(____) Code Res:(____) Code Fax:

Mobile No: Email:

Product Details

Please Tick The Appropriate Product Colour TV ☐ B&W TV ☐ DVD ☐ Washing M/C. ☐ AC ☐ Plasma TV ☐ Rear Projection TV ☐

Microwave Oven ☐ LCD TV ☐

Model No:

Serial No

Please Refer Sticker On Back Cover Of Your Product

Purchase Date Day Month Year

Bill No.

Dealer's Name & Address

Signature

I Accept The Terms And Conditions of The Warranty

Customer Signature

Thank you for selecting a World Class product and we assure you that it will perform as per your expectations

We thank you for taking your time to complete this form. All Information Provided by You will be Kept Confidential.

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For Other Details on Our Products & Services Log On To www.onida.com

ONIDA

BUSINESS REPLY ENVELOPE

ONIDA CUSTOMER RELATION CENTRE
Adonis Electronics Pvt Ltd.
Onida House - II Mukund Ground Floor,
Mahal Industrial Estate, off. Mahakali Caves
Road, Andheri East, Mumbai, Maharashtra,
India - 400093